



# COMPASS

*~ Showing the right Direction... ~*



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COMPASS

# RAJEEV GANDHI MEMORIAL COLLEGE OF ENGINEERING AND TECHNOLOGY

(AUTONOMOUS)

NANDYAL



**(ESTD-1995)**

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# About RGM CET

*Rajeev Gandhi Memorial College of Engineering and Technology was founded in the year 1995. It is located in a 32.04 acre sprawling campus on NH-40 (old NH-18) at Nandyal, Kurnool (Dist), Andhra Pradesh.*

*It is the dedicated commitment and efforts of our Chairman, the man with vision "Vidyarathna" Dr. M. Santhiramudu, who started the institution with a motto "EDUCATION FOR PEACE". RGM CET is a road of elegant educational journey, yet path breaking in different dimensions.*

*Rajeev Gandhi Memorial College of Engineering & Technology (Autonomous) is Ranked in the band of 251-300 in Engineering category as per National Institutional Ranking Framework (NIRF) - 2020, Ministry of Human Resource Development (MHRD), Govt. of India.*



### ***RGMCET Vision***

- *To develop this rural based engineering college into an institute of technical education with global standards.*
- *To become an institute of excellence which contributes to the needs of society.*
- *To inculcate value based education with noble goal of “Education for peace and progress”.*

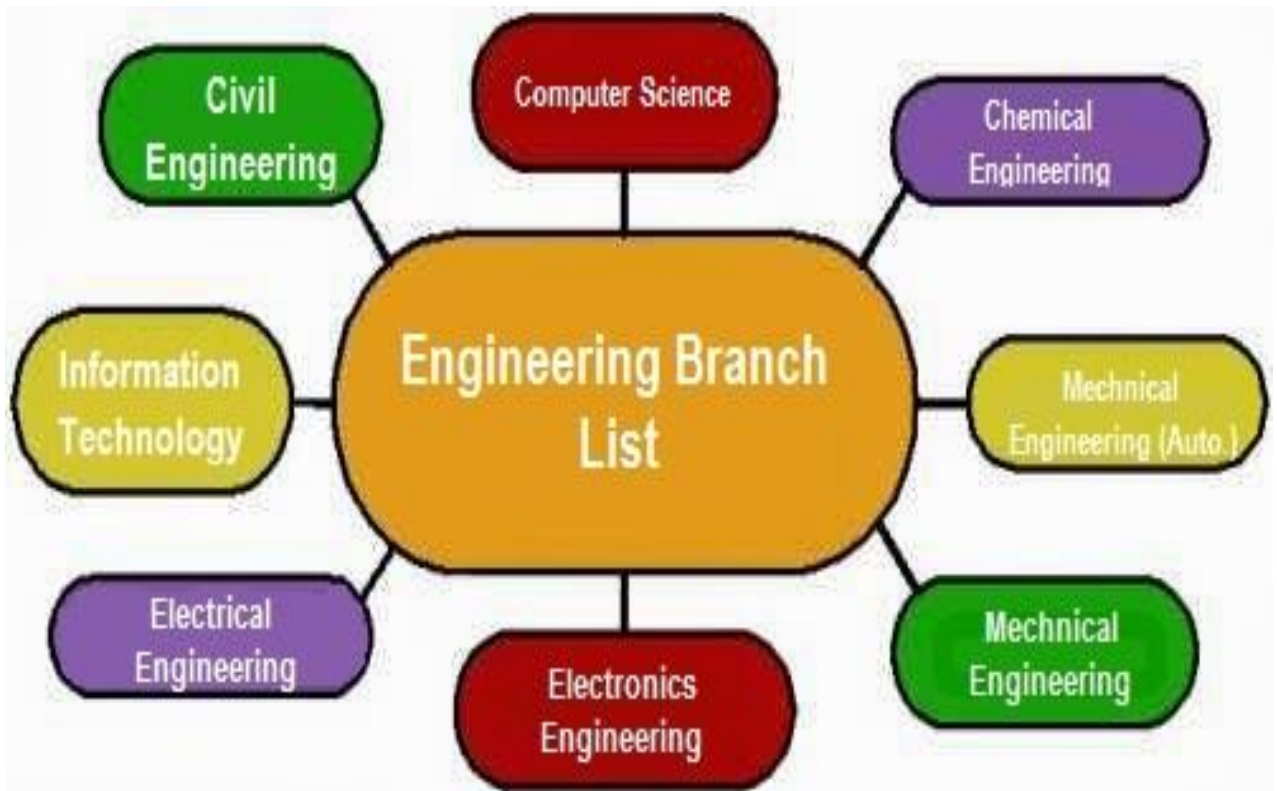
### ***RGMCET Mission***

- *To build a world class undergraduate program with all required infrastructure that provides strong theoretical knowledge supplemented by the state of art skills.*
- *To establish postgraduate programs in basic and cutting edge technologies.*
- *To create conducive ambiance to induce and nurture research.*
- *To turn young graduates to success oriented entrepreneurs.*
- *To develop linkage with industries to have strong industry institute interaction.*
- *To offer demand driven courses to meet the needs of the industry and society.*

- *To inculcate human values and ethos into the education system for an all-round development of students.*

### ***RGM CET Quality Policy***

- *To improve the teaching and learning.*
- *To evaluate the performance of students at regular intervals and take necessary steps for betterment.*
- *To establish and develop centers of excellence for research and consultancy.*
- *To prepare students to face the competition in the market globally and realize the responsibilities as true citizen to serve the nation and uplift the country's pride.*



# About **COMPUTER SCIENCE AND ENGINEERING**

## ***CSE Department Vision***

- *To empower students with cutting edge technologies in computer science and engineering.*
- *To train the students as entrepreneurs in computer science and engineering to address the needs of the society.*
- *To develop smart applications to disseminate information to rural people.*

## ***CSE Department Mission***

- *To become the best computer science and engineering department in the region offering undergraduate, post graduate and research programs in collaboration with industry.*
- *To incubate, apply and spread innovative ideas by collaborating with relevant industries and R & D labs through focused research groups.*
- *To provide exposure to the students in the latest tools and technologies to develop smart applications for the society.*

## ***Program Specific Outcomes (PSO's)***

1. *Students will have the ability to understand the principles and working of computer systems to assess the hardware and software aspects of computer systems.*

2. *Students will have the ability to understand the structure and development methodologies of software system, that possess professional skills and knowledge of software design process.*
3. *Students will have the ability to use knowledge in various domains to identify research gaps and hence to provide solution to new ideas and innovations.*

### ***Program Educational Outcomes (PEO's):***

1. *To Pursue a successful career in the field of Computer Science & Engineering or a related field utilizing his/her education and contribute to the profession as an excellent employee, or as an entrepreneur.*
2. *To be aware of the developments in the field of Computer Science & Engineering; continuously enhance their knowledge informally or by pursuing graduate studies.*
3. *To Engage in research and inquiry leading to new innovations and products.*
4. *To be able to work effectively in multidisciplinary and multicultural environments.*
5. *To be responsible members and leaders of their communities, understand the human, social and environmental context of their profession and contribute positively to the needs of individuals and society at large.*

### ***Program Outcomes (PO's) - Engineering Graduates will be able to:***

1. ***Engineering knowledge:*** *Apply the knowledge of mathematics, science, engineering fundamentals, and an engineering specialization to the solution of complex engineering problems.*

*conclusions using first principles of mathematics, natural sciences, and engineering sciences.*

- 3. **Design/development of solutions:** Design solutions for complex engineering problems and design system components or processes that meet the specified needs with appropriate consideration for the public health and safety, and the cultural, societal, and environmental considerations.*
- 4. **Conduct investigations of complex problems:** Use research-based knowledge and research methods including design of experiments, analysis and interpretation of data, and synthesis of the information to provide valid conclusions.*
- 5. **Modern tool usage:** Create, select, and apply appropriate techniques, resources, and modern engineering and IT tools including prediction and modelling to complex engineering activities with an understanding of the limitations.*
- 6. **The engineer and society:** Apply reasoning informed by the contextual knowledge to assess societal, health, safety, legal and cultural issues and the consequent responsibilities relevant to the professional engineering practice.*
- 7. **Environment and sustainability:** Understand the impact of the professional engineering solutions in societal and environmental contexts, and demonstrate the knowledge of, and need for sustainable development.*
- 8. **Ethics:** Apply ethical principles and commit to professional ethics and responsibilities and norms of the engineering practice.*



*9. Individual and team work: Function effectively as an individual, and as a member or leader in diverse teams, and in multidisciplinary settings.*

*10. Communication: Communicate effectively on complex engineering activities with the engineering community and with society at large, such as, being able to comprehend and write effective reports and design documentation, make effective presentations, and give and receive clear instructions.*

*11. Project management and finance: Demonstrate knowledge and understanding of the engineering and management principles and apply these to one's own work, as a member and leader in a team, to manage projects and in multidisciplinary environments.*

*12. Life-long learning: Recognize the need for, and have the preparation and ability to engage in independent and life-long learning in the broadest context of technological change.*

### *Incipience:*

*A short note for readers... We want to thank all of those who supported us in Compass Magazine. We will always be gratified to the faculty who supported us through this journey.*

*The essential purpose of Compass Magazine is to inform, engage, inspire and entertain a diverse readership including faculty, staff, students and other friends of RGM CET.*

*Our magazine glides you through a series of queries you get during the phase of B.Tech and we tried to possibly find answers and solutions for your queries and problems.*

*You will get to know how the scope of Computer Science and Engineering has in present society and what are the important guidelines you need to follow in order to embellish your success in stream of your choice. So we wish you a happy experience and good luck with your future.*

## *A Quick Glimpse:*

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## **CAREER GUIDANCE AND TIPS**

- I. What influences our Career choice?
- II. How has our efforts in job to be successful in our career.

When we think about career choice, several things immediately come to mind- Job, Description, Training and Education required, Career outlook and Salary- but there are a number of other factors that may influence your decisions, Let's explore some of the factors as addressed by multiple career development theories. Theories can help us frame why and how things happen. In this case, career development theories help us explain why and how we choose to pursue specific career fields.

There are a lot of theories to consider in the relatively new field of career development. As you read through the factors below, you'll see that many of the related theories address some of the same issues. No one theory explains everything, so it's good to consider these factors from multiple perspectives.

### **Influence Factor:**

Childhood Fantasies: what do you want to be when you grow-up? You may remember this question from your childhood, and it may have helped shape how you thought about careers then, as well as later in life. Career counseling theories are expanding as programs related to career choice are developed for all ages, including the very young.

### **Culture:**

Racial and ethnic background, as well as the culture of an individual's regional area, local community, and extended family, may impact career decisions. Our culture often shapes our values and expectations as they relate to many parts of our lives, including jobs and careers. Multicultural career counseling has emerged as a specialized field to take these influences into consideration when counseling clients and students. We can't attribute the predominant characteristics of a culture to any

one of its individuals, but having an awareness of the values and expectations of our culture may help us understand how we make our career choices.

### **Gender:**

Both men and women have experienced career-related stereotypes. Gender is a factor included in multiple career development theories and approaches including. Social and multicultural career counseling. How we view ourselves as individuals may influence both the opportunities and barriers we perceive as we make career decisions. Studies of gender and career development are ongoing as roles of men and women in the workforce, and in higher education, evolve.

### **Interests:**

Holland's Career Typology is a widely used to connect personality types and career fields. This theory establishes a classification system that matches personality characteristics and personal preferences to job characteristics. The Holland Codes are six personality/career types that help describe a wide range of occupations. You can find out your Holland Codes, and receive a list of related occupations, by completing questionnaire such as the one provided by the U. S. Department of Labor's O\*Net Interest Profiler.

### **Life Roles:**

Being a worker is just one of your life roles, in addition to others such as, student, parent, and child. Super's Lifespan theory directly addresses the fact that we each play multiple roles in our lives and that these roles change over the course of our lives. How we think about ourselves in these roles, their requirements of them, and the external forces that affect them, may influence how we look at career in general and how we make choices for ourselves. For more information, read about Super's Career Rainbow.

### **Personality Type:**

Understanding your Personality Type can assist your career development in a number of ways.

- 1) It can help you select a career field that is a good fit for your personality make-up.



- 2) It can increase your awareness of your learning style so you can better benefit from career related education.
- 3) Understanding your personality preferences can help you better manage Job Challenges that inevitably rise their ugly heads during the course of our career.
- 4) Knowing your Personality Type, and especially knowing the specific details of your individual type can provide, will aid you in a job search, both in marketing yourself and in evaluating opportunities that arise.

### **Previous Experience:**

Krumholtz's Social Learning and Planned Happenstance theories address factors related to our experiences with others and in previous work situations. Having positive experiences and role models working in specific careers may influence the set of careers we consider as options for ourselves. One aspect of Social Cognitive Career Theory addresses the fact that we are likely to consider continuing a particular task if we have had a positive experience doing it. In this way, we focus on areas in which we have had proven success and achieved positive self-esteem.

### **Skills, Abilities & Talents:**

Considering your skills, abilities and talents and how they may fit a particular occupation comes out of one of the earliest career development fields, Trait-Factor theories, and is still used today. These theories recommend creating occupational profiles for specific jobs as well as identifying to occupations based on these differences. You can identify activities you enjoy and those in which you have a level of competency through a formal assessment. There are many available online, including the Skills Provider at CareerOneStop.

### **Social and Economic conditions:**

All of our career choices take place within the context of society and the economy. Several career theories, such as Social Cognitive Career Theory and Social Learning, address this context in addition to other factors. Events that take place in our lives may affect the choices available to us and even dictate our choices to a certain degree. Changes in the economy and resulting job market may also affect how our careers develop.

Once you graduate from college and land a job, your next immediate concern is how to succeed in your career. Because the world has become so competitive, doing well in your job and moving forward with your career is more important now than ever. Career advancement and recognition are on every professional's list of goals. But what sets the exceptional professionals apart? The answer is simply willingness and a strong desire to perform well. Once you have the willingness and the right mindset, you can begin climbing the ladder.

Here are the top 10 career success secrets on how to excel at work.

### **Take initiative-**

Today's career requirements are highly developed and require much more than someone who won't take risks. In today's competitive career landscape, employers are looking for individuals who can bring fresh ideas to the table and take initiative, start new projects, pitch new solutions and create new opportunities for the business.

### **Be your own evaluator-**

One of the best ways to achieve career success is to keep assessing your performance. Don't wait for your annual appraisal – do it yourself.

An ideal way to do this would be to identify quantifiable goals and set a timeline for achieving them. Start with setting short-term goals when you're new to a job.

Create a detailed plan to achieve these goals. Break the tasks down into weekly or even daily tasks and fill out a small form at the end of the week to assess where you're headed and whether you need to change your strategy. You can even show your own performance report to your managers at some point to show how you've progressed.

This will show that you understand the importance of constant self-evaluation and improvement.

### **Be ready to learn-**

To excel in your career, you have to be willing to learn. No matter what university you graduated from or what grades you had, professional life will be very different from college. Be prepared to have a million questions pop up every day regarding what you're doing. It might take you days to get a hang of your duties at your new

job, so show management that you are coachable, paying attention and always willing to learn new things.

### **Anticipate needs**

To succeed in your new job and achieve career success, you will have to be well aware of what your manager needs. Stay a step ahead of your boss by asking yourself, “If I were my boss, what would I want done next?” By making sure you get things efficiently done in time, and take the initiative to do them yourself, you will be showing a positive, go-getter attitude to higher management.

### **Communicate well**

Communication is key to an employee's and an organization's success. If your manager has to ask you for a status report, you're not doing everything you could be doing. The idea is to proactively communicate and let them know when a task is done, and move on to what needs to be done next.

### **Set goals to achieve**

Remember you're not being paid for 'working hard' or 'staying busy'. ‘At the end of the day, what matters to your employer is how you're contributing to fulfilling the company's goals and mission, both short term and long term. Therefore, keep in mind that you're being paid to deliver on clearly defined goals that significantly impact the company's performance and overall mission and vision. This goal-oriented mindset will help you achieve career success, no matter where you are on the corporate ladder.

### **Show, don't tell**

The value of action is far greater than that of mere words. Use this as a principle in your dealings at the office. Instead of bragging about all the things you can do, and then never actually delivering, you ought to show management what you are capable of.

### **Gain trust**

This is one of the most important tips for success you need to ensure success when you start a new job. Think of it this way: the quicker you earn your boss' trust, the sooner they'll have less to worry about and hence more free time to focus their attention on other pressing matters. If your boss finds you trust worthy, they'll delegate tasks to you. Make sure you meet your deadlines and keep your promises.

It's critical, especially early on in your relationship with your boss, that you fulfill every commitment you make, no matter how difficult it may seem.

### **Create solutions**

Everyone can turn their problems into their manager's problems. Be the solution provider, not the problem creator. Great employees solve problems.

If you don't have the authority to give the final verdict on a problem relevant to your work or department, then make sure you offer solutions to your boss and try to help as much as you can, wholeheartedly.

### **Be compassionate**

Being a good employee requires compassion and understanding that your manager and fellow employees are doing their best. Throwing a tantrum is not going to do anyone any good, neither will constantly complaining about how much work you're doing. At the end of the day, everyone is doing their fair share of the work they're getting paid for. Many of these traits and behaviors that can help you excel in your career are also found in great leaders. By keeping these 10 career success secrets in mind, you can put yourself on the path to true greatness and achieve your ultimate career goals.

## **THINKING OUT OF THE BOX**

‘QUE PIENSA’-As complex as the word you are reading. It’s synonym or translation ‘THINKING’ is not an easy process. We all have been facing problems how to think in a right way. There are many theories evolving about the “THOUGHT PROCESS”. The only one that helps any person to find a reasonable solution for the question ‘HOW TO THINK?’ may be the concept referring Thinking Out Of The Box.

Thinking out Of the Box is a metaphor that means to ‘think’ differently, unconventionally, or from a new perspective. This phrase often refers to novel or CREATIVE THINKING.

It’s interesting how secure we feel in many aspects of our lives, whether it be the people you hangout or types situations we face, we hardly ever seem to think of trying new things.

### **COMFORT ZONE:**



### ***“GREAT THINGS NEVER COME FROM COMFORT ZONE”***

It is a psychological state in which things feel familiar to a person and they are at ease and in control of their environment, experiencing low levels of anxiety and stress.

“The key to contentment is to live life to the fullest”. There is a myth that being safe in a box makes our lives clear from problems but it is truth that when we move out of your comfort zone we can expand our boundaries and experience our life in a new way.



Getting out of your comfort zone from time to time creates just enough good stress to ramp up your focus, creativity, pace and drive and it helps you respond to life stress when unexpected things happen.

Avails of coming out from comfort zone:

- All developments come from outside of the comfort zone, especially from failure.



*"We are all failures - at least the best of us all".*

**- J. M. BARRIE**

- You'll discover passions you never knew existed before.
- Open mindedness is a boon and you can acquire it with ease, which makes you more understanding, wiser and intelligent.
- You'll become a more confident and sociable person.
- The entire world will be yours and you can conquer with just your soul and smile.

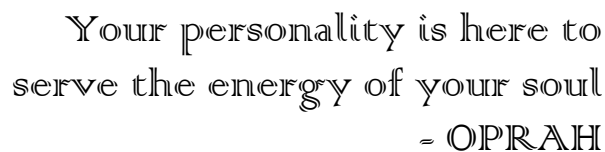
### SELF:

Self is you and your 'self' is your warrior. All the things you desire and all the things you want to know is just a mere replica of your soul so called 'self'.

So as a social animal and as now of a techie person there is an ultimate reason to develop our soul. Here comes a few reasons in order to develop your 'SELF':

- To gain control of what you are thinking.

There is a famous saying that



Your personality is here to  
serve the energy of your soul  
- OPRAH

- So gather your traits, develop your personality.
- To work in a corporate sector a great attitude and personality are important. A great attitude represents a great work and presence of mind.

- Satisfying and developing your soul eases the mental stress which now a days a lot of students are lacking.
- A negative soul indicates a lot of bad thoughts which makes the students fall in depression. In even worst case it may develop suicidal tendencies.
- Refresh your thoughts with a good book every day.

As a student we need to know a lot of things written by famous Dr. A. P. J. Abdul Kalam (His excellence is out of the world). Few of our book recommendations are:

1. Wings of fire
2. You are born to blossom
3. Ignited minds

## **PREREQUISITES TO A JOB**

Everyone is familiar with the word **JOB**. But how many of you know the exact meaning of Job? What is a Job? Why it is required? How to get a Job? like this many questions arise when we come to this point. Now let us have a look on them.

### **I. What is a Job?**

A Job is nothing but a work which is done to fulfill their or others(higher-authorities) requirements so to have be paid.

### **II. Why is it required?**

It is required mainly for our self-satisfaction so that there is no need to depend on others. By having a job whether it is small or big one gets a good name that “He/She is employed”.

### **III. How to get a Job?**

Skills required for various jobs are varied with their requirements. To get a particular job in specific area first we need to know skills or any other things that are required. If one needs to get a job in software industry then they require some programming skills, Aptitude, Communication skills.

Having these skills in effective manner, so that one (higher officials) is satisfied with them can have a job. But before entering into the job one need to compulsory submit “Resume”. Now, let us know what is Resume

A **Resume** is a document used and created by a person to present their background, skills, and accomplishments. Resumes can be used for a variety of reasons, but most often they are used to secure new employment.

A typical resume contains a "summary" of relevant job experience and education. The resume is usually one of the first items, along with a cover letter and sometimes an application for employment, which a potential employer sees regarding the job seeker and is typically used to screen applicants, often followed by an interview.

## How to write a good resume?

Generally, we write a resume to showcase our skills and any experience present related to a certain job. A resume can be written based on our personal circumstances. Mainly it can be written in 3 ways.

1. Chronological Resume
2. Functional Resume
3. Combinational Resume

### Chronological Resume:

It starts by listing your work history, with the most recent position listed first. Your jobs are listed in reverse chronological order with your current or most recent job first.

Basically, this type of resumes is preferred because it's easy to see what jobs you have held and when you have worked at them.

**BARTENDER (REVERSE-CHRONOLOGICAL)**  
from Resume Genius

**A** **CONTACT**  
(123) 456-7895  
CarolineW@gmail.com  
45 Winfield Dr.  
Washington, D.C. 90764  
LinkedIn.com/username

**B** **CAREER OBJECTIVE**  
Lead Bartender with 4+ years of experience in cocktail preparation and creation, and a bartending license certified by the District of Columbia. Possess a deep knowledge of local craft beers, wine, spirits, and cocktails, as well as their optimal food pairings. Seeking to leverage my bartending skills to fulfill the Head Bartender position at your restaurant.

**E** **EDUCATION**  
2014 - 2018  
A.A. BARTENDING  
Professional Bartending School, Washington, D.C.  
2010 - 2014  
ADVANCED DIPLOMA  
ST. JOHNS HIGH SCHOOL,  
Washington, D.C.

**C** **PROFESSIONAL EXPERIENCE**  
2019 - 2018  
LEAD BARTENDER  
Gilly's Sports Bar, Washington, D.C.  
• Introduced a "Cocktail of the Month" promotion to our menu that was well received by customers and increased monthly sales  
• Trained 3 brand new bartenders on all aspects of the job from drink preparation and knowledge to building valuable customer relationships and upselling techniques  
• Reduced inventory losses by 10% by managing our beverage inventory with innovative beverage management software  
2014 - 2015  
BARTENDER  
Capital Bar & Grill, Washington, D.C.  
• Engaged in small talk and jokes with clientele in order to build rapport and ensure that they became repeat customers  
• Took food orders from guests at the bar and recommended beverage pairings to go with their meals, which boosted spending by an average of \$10 per customer  
• Memorized over a 100 cocktail recipes and drink variations

**D** **KEY SKILLS**  
Cocktail Preparation  
Customer Relations  
Spanish  
POS Systems  
Exceptional Memory  
Menu Creation

**F** **AWARDS**  
March 2017  
EMPLOYEE OF THE MONTH  
Gilly's Sports Bar,  
Washington, D.C.

### Functional Resume:

It focuses on your skills and experience, rather than on your chronological order work history. It is used most often by people who are changing careers or who have gaps in their employment history.



### Combination Resume:

It lists your skills and experience first and then employment history. By this one can highlight the skills you have that are relevant to the job.





## WAITRESS RESUME (COMBINATION)

From Resume Genius

**PROFESSIONAL PROFILE**

- Project Execution:** Implemented new menu introduction strategies, increasing customer purchases of wine by 10% on avg.
- Management:** Assisted in the training of 6 new waiters, ensuring attention to detail and comprehensive understanding of restaurant methodology and practices
- Awards & Recognition:** Frequently praised for excellent service on restaurant's online rating system
- Salesmanship:** Deep and broad knowledge of wines and pairings

**KEY INDUSTRY SKILLS**

- Familiarity with Point of Sale (POS) terminals and common restaurant equipment / machinery
- Able to memorize entire menus within a day, including ingredient combinations
- Proven ability to "upsell" alcohol, dessert, and appetizers to customers
- Bilingual - English (native) and Spanish (conversational). Able to comfortably take care of customers in either language

**RELEVANT WORK EXPERIENCE**

**LONGHORN GRILL**  
WAITRESS / RENO, NV / 2012 - Present

- Memorized restaurant's wine stock and appropriate entrée pairings, leading to daily wine sales averaging \$180, fully 15% higher than the company average
- Write patron's food orders on slips, memorize orders, and manage food resources in a 120+ seat restaurant
- Operate POS terminals to input customer orders, swipe credit cards, and enter cash amounts received

**MIKE'S FANCY KITCHEN**  
HOSTESS & WAITRESS / RENO, NV / June 2010 - August 2012

- Awarded "Employee of the Month" two months consecutively
- Bussed tables, presented menus, seated customers, and assisted waiters with drink orders
- Trained 3 new hosts in providing excellent customer service and conflict resolution techniques

**CONTACT**

Email: your.email@gmail.com  
Phone: 895 555 555  
Address: 4307 Las Brisas Drive, Reno, NV 89523

**SOCIAL**

- your facebook
- your instagram
- your linkedin
- your twitter

**ADDITIONAL SKILLS**

- Problem Solving
- Adaptability
- Collaboration
- Strong Work Ethic
- Time Management
- Critical Thinking
- Handling Pressure

**EDUCATION**

**B.A. / Psychology**  
University of Nevada, Reno  
2009 - 2013  
3.95 GPA

## Do's in Resume:

- **Customize your resume every time.** Tailor the document for each position you apply for by highlighting your qualifications and expertise that match the specific job requirements. Employers often use screening software that scans documents for particular keywords, so follow the job listing's lead on phrasing.
- **Show off your tech skills.** Accurately summarize the software and technologies that you're familiar with, noting proficiency level and how long you have used each one. Again, refer to the job listing to decide which programs are vital to include.
- **Highlight your achievements.** When listing your past positions, give tangible examples of how the projects you worked on affected the company's bottom line. Did they increase sales, broaden the customer base or reach target markets? Did you receive more responsibility in your company after proving yourself in your current job?

- **Note your accomplishments.** Include a brief list of any special recognition and awards you've received. It's also helpful to note participation in relevant professional organizations and any conferences or workshops you've spoken at.
- **Proofread and proofread again.** Typos and mistakes tell the hiring manager you are not detail-oriented. Ask a few friends or trusted colleagues to have a look at your resume. Fresh eyes are always more likely to catch errors.
- **Give a heads up to your references.** If you're going full-steam-ahead on your job search, give your key contacts a heads up that they may be getting calls or emails about you. Send them your most recent resume so they're up-to-date on your current accomplishments and have all the facts in front of them.
- **Keep it updated.** Even if you're not job-hunting, update your resume every time you accept a new job or complete a significant project. Keeping your job application materials updated regularly will make it seem like less of a burden.

### Don'ts in Resume

- **Misrepresent your education or job experience.** Even one fabrication can be grounds for termination. Stay honest in all of your job application materials.
- **Give reasons for leaving each job.** Some employers might ask about your reasons for leaving your current position at the interview — and you should be ready to talk about why you left — but you don't need to include that information in your resume.
- **Get too personal.** Don't put personal information, such as your photo, height, Social Security number, marital status or religious affiliation, in your resume. You don't want to expose yourself to conscious and unconscious bias on the part of the hiring manager.
- **State "References available upon request."** The interviewer will assume that you can provide these contacts when asked. Some companies will ask for names up front — follow the instructions in the job posting.
- **Worry about using exact dates.** Trying to remember the exact day you started a job 15 years ago is difficult, to say the least. Using the month and year you started and left each position are totally sufficient.
- **Experiment with a crazy format.** Stick to a clean, easy-to-read format. Catch a recruiter's eye with your experience, not with wacky fonts, colors or designs.
- **Use your company phone number or email address.** It's always better to use your personal email address and phone number rather than your

professional contact details, even if your current boss is aware of your intent to leave.

- **Include your high school education if you're a college graduate.** But if you're still in college, or a high school diploma is the highest academic qualification you hold, you can include your high school under your education.
- **Include your college GPA.** The only exception to this is if you're still in college or have just graduated, or if the job posting asks you to include that information.
- **List past salary information.** If the ad requests that applicants reply with a salary range, state it in the cover letter. Otherwise, wait until later interviews to discuss money.

By following these simple tips one can get a perfect resume which is suitable for getting a job.

### **How to improve the weightage of Resume?**

It is not as easy as we increase in weight. One needs to keep huge effort to develop new skills parallelly with the studies. Anything can't be added to increase the content. It must be relevant to the work what we do and sometimes there is chance to test whether the written is really related to one's own performance.

If one is really interested to have a powerful and related resume then

1. Awareness of what they are going to do i.e. a specific area where he/she interested to work. Develop the skills related to that area.
2. Which company they are interested i.e. by having idea on it one can enhance their skills or programming knowledge or any other required talents which are presently the companies are looking for.

Having a brief idea on this and improving required skills and adding them in our resume is a good way to improve the resume.

## **SOCIETY GOALS OF A SOFTWARE ENGINEER**

The goals of a software engineer are straight forward and easy to understand but they aren't always easy to meet. This is because there are so many different ways to approach software engineering and so many outcomes that are possible. While we do have practices and there are standards in place, every software engineer has a different approach and sometimes they don't always mesh well with other members of an IT team.

Nevertheless, there are distinct and important goals of software engineering. Everyone designing, developing, testing, or maintaining software and/ or application portfolios need to ensure that their software is:

- Readable
- Correct
- Reliable
- Reusable
- Extendable
- Flexible
- Efficient

Software Engineering Principles and Best Practices Examples:

Software engineering best practices ensure that software developed by a delivery team, a contractor, or an individual developer is high quality and efficient. If applications do not meet these best practices, it puts you at risk for outages, security hazards, and falling systems — adherence to software engineering best practices help to prevent that.

Iterative Development:

This ensures that software flaws or risks are resolved before there has been a lot of time and effort put into the software. This development approach enables continuous testing and integration which creates the opportunity for early feedback so that changes can be made swiftly.

Service-Based Architecture and Micro services:

Service-based architecture is a software design best practice where services are provided to other components, through communication protocols.

- Logically represents a business activity with a specified outcome.
- Self-contained.
- Black box for its consumers.
- May consist of additional underlying services.

### **Software Modelling:**

Using visual modeling tools helps to improve the ability to manage software, rationalize, and maintain that software. It will also help to keep information among the team easy to understand and constant.

### **Software Testing:**

In this a team wants to verify that all software developed is high quality and meets the requirements set forward in the planning stage. Continuous testing from the start of development will help to avoid costly repairs later on even after deployment. Software engineering practices that do not include testing will eventually fail- but not after costing a lot of time and money from your budget.

### **CAST Engineering Dashboard:**

CAST Engineering Dashboard helps delivery organizations that you are living up to your commitment deliver high quality products that help your company serve its clients.

Our Engineering Dashboard works to:

- Quickly identify any multi-component software flaws.
- Validate against industry standard rules for security and risk.
- Identifies specific code location of critical flaws in software.
- Finds architectural flaws inside the riskiest objects and transactions.
- Builds action plans based on an optimized list of high impact issues.
- Gives insight into why specific defects are occurring and guidelines for fast remediation.





## **KEVIN ASHTON – THE GAME CHANGER**

- Father of IOT

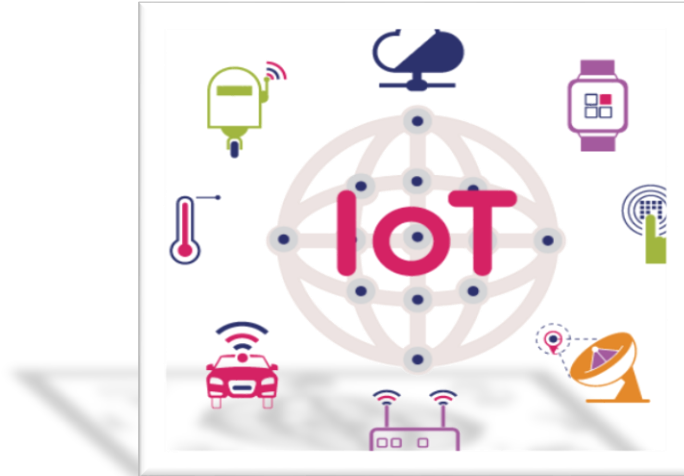


Ashton was born in Birmingham, U.K (1968). He is a British technology pioneer who cofounded the Auto-ID Centre at the Massachusetts Institute of Technology (MIT), which created a global standard system for RFID and other sensors. He read Scandinavian Studies at University College London from 1990 to 1994. He is an innovator and consumer sensor expert who coined the phrase “the internet of things” to describe the network connecting objects in the physical World to the internet. He has a new book, how to fly a Horse: The secret History of creation, Invention, and Discovery, out Jan 20. The term “the internet of things” was coined by Kevin Ashton in a Presentation to proctor & Gamble in 1999.

**Father of IOT, Kevin Ashton, says ‘if you think IOT is a Buzzword, your business will fail’.**

### **Importance of IOT (INTERNET OF THINGS):**

- IOT-Testing ensure that the customers get better user experience across all the connected IOT devices. IOT has gained importance as our lives and businesses have become very complex. Over time, IOT evolved from devices being able to collect and communicate data to devices being able to process data and make decisions.



- Useful in Monitoring-One of the most apparent Advantage of IOT is monitoring. It provides an advantage of knowing things in advance. With this, the exact quantity of supplies, water distribution and consumption, intelligent energy management, and security distributed gets collected easily.
- The main purpose of internet connected devices has been to enable people to communicate with each other and to access online data and processes. The main Purpose of IOT devices to Generate real-time data that we can then analyse and use to create desired business outcomes.

"LET'S GO INVENT TOMORROW INSTEAD OF WORRYING ABOUT WHAT HAPPENED YESTERDAY..."

-Steve Jobs

## **MIND RIDE OF LEADERS**

**“It is your attitude and not your aptitude that determines your altitude”.** The leader has an attitude that makes him different of all his followers. The best example of a leader who has a unique attitude is a lion. A lion exhibits that attitude, we have to cultivate that attitude the lion has. We all know that the lion is the king of jungle but ,we have to take lion as a great source of encouragement and get inspired by seeing that. Because, lion is not the tallest, not the largest and even though not the heaviest animal in the jungle. Neither it is smart nor it is intelligent animal in the jungle yet the lion is the king. You don’t need to be smart; you don’t need to have certain height and weight and also you don’t have a kind of advantage and yet you can be a leader.

The main thing that shocked about the lion is, it is not larger than giraffe, not bigger than an elephant, not smarter than hyena not even heavier than hippopotamus. It cancels all of our excuses for not becoming a leader. What makes the lion so unique is, the army of sheep leaded by lion will defeat the army of lions lead by a sheep. Because, leadership transforms cowards into violent warriors or leaders whether it may be heaviest, tallest, largest, it doesn’t matter. One question comes to your mind is that why lion became the king of jungle irrespective of these excuses.

For example, a lion will see an elephant and the thing comes to its mind is “I got my prey today”. But elephant, it is many times heavier than lion in terms of power and size. Elephant’s one stump of feet could destroy the lion. Still, when the lion sees it, besides looking at the abilities of elephant, it rather looks at its abilities and says that “I can eat this” and then it acts the way he thinks. You see, the appearance is not the problem. An Ideal leader should be the person who should see an opportunity in every calamity irrespective of the person in front of him. Hence the example of lion resembles the mindset of the best leader.

Many stories in real life can say about the mindset of leader. The attitude of the leader is not only depending on the way he thinks, but also depends on the way he takes other’s opinions and obligations and how he handles in a very smooth manner which is the best trick everyone should learn from a leader. The way of thinking is what makes the leader to be unique. Leaders are not born, they are made.

- **Sharanya Aluru**

## **WORKSHOPS ORGANIZED**

The Department of CSE organized a two-day certification course on “Cyber Security and Ethical Hacking” under CSI and IE (I) during 22<sup>nd</sup> and 23<sup>rd</sup> July 2019.

Mr. Sai Satish, CEO of Indian Servers acted as a resource person for this training program.



The department of CSE organized a one-week certification course on “Basics and Advanced Python Programming” under APSSDC during 5-8-2019 to 10-8-2019.

Mr. Ravi Kumar and Mr. Satya Narayana are acted as a resource person for this program.







## OBJECTIVES OF COMPASS

- INVOLVE STUDENTS IN DIFFERENT FORMS OF PEER-LEARNING
- ENCOURAGE STUDENT PARTICIPATION IN ACTIVITIES THAT REQUIRE THEM TO ACQUIRE AND DEMONSTRATE RATIONAL THINKING, COMMUNICATION SKILLS AND LOGICAL ABILITY.
- BRING OUT THE LEADERSHIP SKILLS AMONG INDIVIDUALS BY PROVIDING THEM SUFFICIENT EXPOSURE TO UTILIZE THE SKILLS ACQUIRED.
- HELP STUDENTS RECOGNIZE THE IMPORTANCE OF SMART-WORK & THINKING OUTSIDE THE BOX, THUS INCULCATE CREATIVE THINKING.
- CONTRIBUTE TO ALL ROUND DEVELOPMENT OF INDIVIDUALS THROUGH LEARNING OUTSIDE THE CLASSROOM.